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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/063,148	03/26/2002	Tatsuya Anma	SIMTEK6327	2722

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EXAMINER

NGUYEN, HANH N

ART UNIT PAPER NUMBER

2834

DATE MAILED: 11/04/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/063,148

Applicant(s)

ANMA, TATSUYA

Examiner

Nguyen N Hanh

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on ____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: .

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

1. Claims 4-8 rejected under 35 U.S.C. 112, second paragraph, as failing to have sufficient antecedent basis for the limitation in the claim.

Claim 2 recites the limitation "the remaining portions" in line 2. There is insufficient antecedent basis for this limitation in the claim. Under the light of the specification, the Examiner interprets "the remaining portions" as "ribs, holes, magnets".

Claims 5-8 depend on claim 2.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Brevet D'invention No. 528,970.

Regarding claim 1, Brevet D'invention discloses a rotor for a rotating electrical machine comprised of a cylindrical portion carrying a plurality of spaced permanent magnets (Fig. 1 and 2), a hub portion (E) adapted to be affixed to a rotatable shaft (F), an interconnecting portion for interconnecting said cylindrical portion and said hub portions, and a plurality of reinforcing ribs (C) formed in said interconnecting portion.

Regarding claim 2, Brevet D'invention also discloses a rotor for a rotating electrical machine wherein the cylindrical portion and the interconnecting portion are integral with each other (Fig. 1 and 2).

Regarding claim 3, Brevet D'invention also discloses a rotor for a rotating electrical machine wherein the hub portion is integral with the remaining portions (ribs, holes, magnets).

Regarding claim 4, Brevet D'invention discloses a rotor for a rotating electrical machine wherein the ribs extend axially outwardly from a disk shaped portion extending radially inwardly from the cylindrical portion at one side thereof (at the inner side).

Regarding claim 5, Brevet D'invention also discloses rotor for a rotating electrical machine as set forth in claim 4, wherein a plurality of openings are defined by the disk shaped portion for reducing the weight and rotational inertia of said rotor without significantly reducing its strength (inherent) and permitting a coolant to flow therethrough (intended use, patentable weight not given).

Regarding claim 6, Brevet D'invention also discloses rotor for a rotating electrical machine wherein the openings are juxtaposed to the ribs are curved around the openings.

Regarding claim 7, Brevet D'invention also discloses a rotor for a rotating electrical machine wherein the openings occupy the entire area between the ribs so that the ribs comprise spokes.

Regarding claim 8, Brevet D'invention also discloses a rotor for a rotating electrical machine as set forth in claim 7, wherein one axial side of the spokes is inclined from one side thereof to the other side.

Regarding claim 9, Brevet D'invention also discloses a rotor for a rotating electrical machine comprised of a cylindrical portion carrying a plurality of spaced permanent magnets, a hub portion adapted to be affixed to a rotatable shaft, and an interconnecting portion for interconnecting said cylindrical portion and said hub portions (Fig. 1 and 2), a plurality of openings defined by said interconnecting portion for reducing the weight and rotational inertia of said rotor without significantly reducing its strength (inherent).

Regarding claim 10, Brevet D'invention also discloses rotor for a rotating electrical machine as set forth in claim 9, wherein the openings are circular and a side of the intermediate section adjacent each opening is relieved toward the opening.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh N Nguyen whose telephone number is (703) 305-3466. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on (703) 308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-3431 for regular communications and (703) 305-3431 for After Final communications.

Application/Control Number: 10/063,148

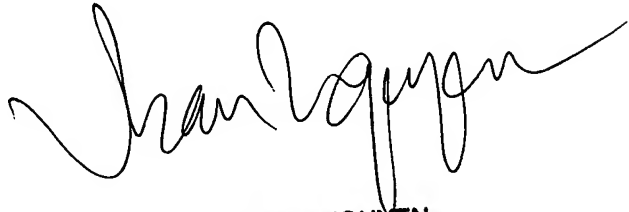
Page 5

Art Unit: 2834

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

HNN

October 24, 2002

A handwritten signature in black ink, appearing to read 'Tran Nguyen', written in a cursive style.

TRAN NGUYEN
PRIMARY EXAMINER